

### REMARKS

Claims 1-22 have been examined in the present application. Claims 1-8 and 9 were objected to for various informalities. Claims 3, 5-8, 11 and 13-16 were objected to as being dependent upon a rejected base claim. Claim 17-22 have been allowed. Claims 1 and 4 have been rejected under 35 U.S.C § 102(b) over Yang et al. (U.S. Patent No. 6,136,645, hereinafter 'Yang'). Claims 9 and 12 have been rejected under 35 U.S.C § 102(a) over Osabe et al. (U.S. Pub. No. 2005/0052939 hereinafter 'Osabe'). Claim 2 has been rejected under 35 U.S.C. § 103(a) over Yang in view of Tomishima (U.S. Pub. No. 2003/0117832). Claim 10 has been rejected under 35 U.S.C. § 103(a) over Osabe in view of Yomishima. Claims 1, 2, 4, 9 and 10 have been canceled hereby. Claims 3, 5, 6, 8, 11-14 and 16 have been amended hereby. Reconsideration of the present application is respectfully requested in light of the above amendments and below remarks.

Claims 1, 7 and 9 have been objected to because of certain informalities. The objection of claims 1 and 9 are moot due to the Applicant's cancellation of claims 1 and 9. Claim 7 has been amended to overcome the examiner rejection ("signals" was replaced by "signal"). The amendment to claim 7 is to correct a typographical error, and does not add any new matter or change the scope of the claim.

Claims 1 and 4 have been rejected under 35 U.S.C § 102(b) over Yang. This rejection has been rendered moot due to Applicant's cancellation of claims 1 and 4.

Claim 9 has been rejected under 35 U.S.C § 102(a) over Osabe. This rejection has been rendered moot due to Applicant's cancellation of claim 9.

Claim 12 has been rejected under 35 U.S.C § 102(a) over Osabe. This rejection has been rendered moot due to Applicant's amendment of claim 12 to be dependent on allowable claim 11.

Claim 2 has been rejected under 35 U.S.C § 103(a) over Yang in view of Tomishima. This rejection has been rendered moot due to Applicant's cancellation of claim 2.

Claim 10 has been rejected under 35 U.S.C § 103(a) over Osabe in view of Tomishima. This rejection has been rendered moot due to Applicant's cancellation of claim 10.

In view of the above, each of the presently pending claims in this application is believed to be in immediate condition for allowance. Accordingly, the Examiner is respectfully requested to pass this application to issue.

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Respectfully submitted,

By

  
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